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BrenTuning IAT Relocation kit how-to. To be installed by a trained professional only. We assume no responsibility for any issues caused by installation. Can be installed with basic hand tools. No tuning required. If you do not feel comfortable, **please pay a professional!**

Tools needed:

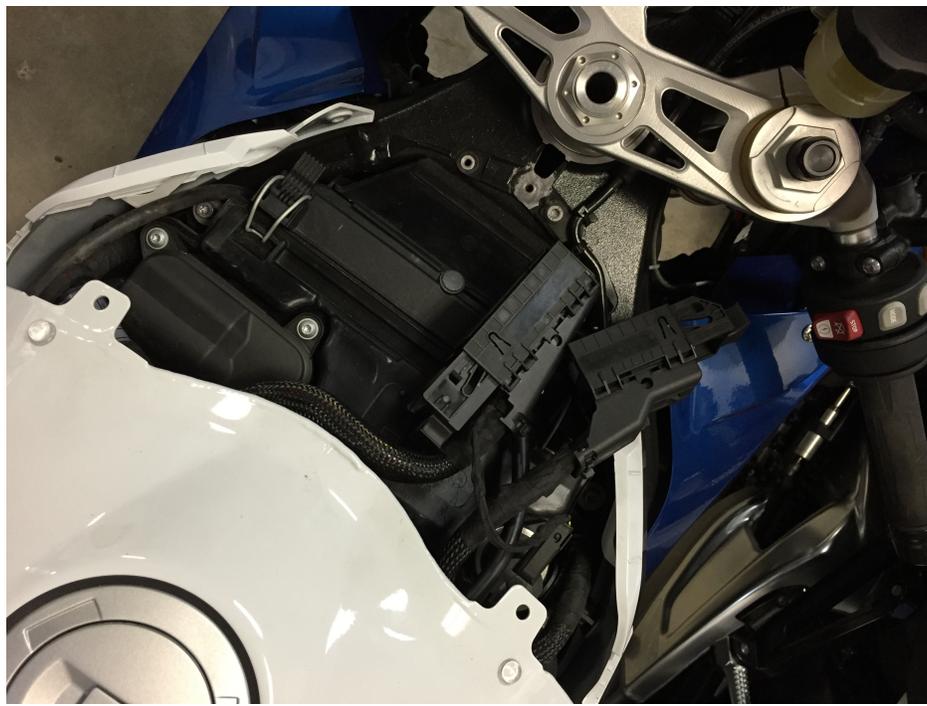
- Ratchet for Torx
- T20, T25 Torx bit
- Flat head screw driver
- Needle nose pliers
- 1/8"-1/2" drill bit

Step 1: Remove cover on top of gas tank. Use T25 Torx bit to remove (7) fasteners.



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Step 2: Locate ECU and unclip from harness. Unclip throttle side first and then clutch side and remove ECU from bike. Place in a safe spot for reinstallation.



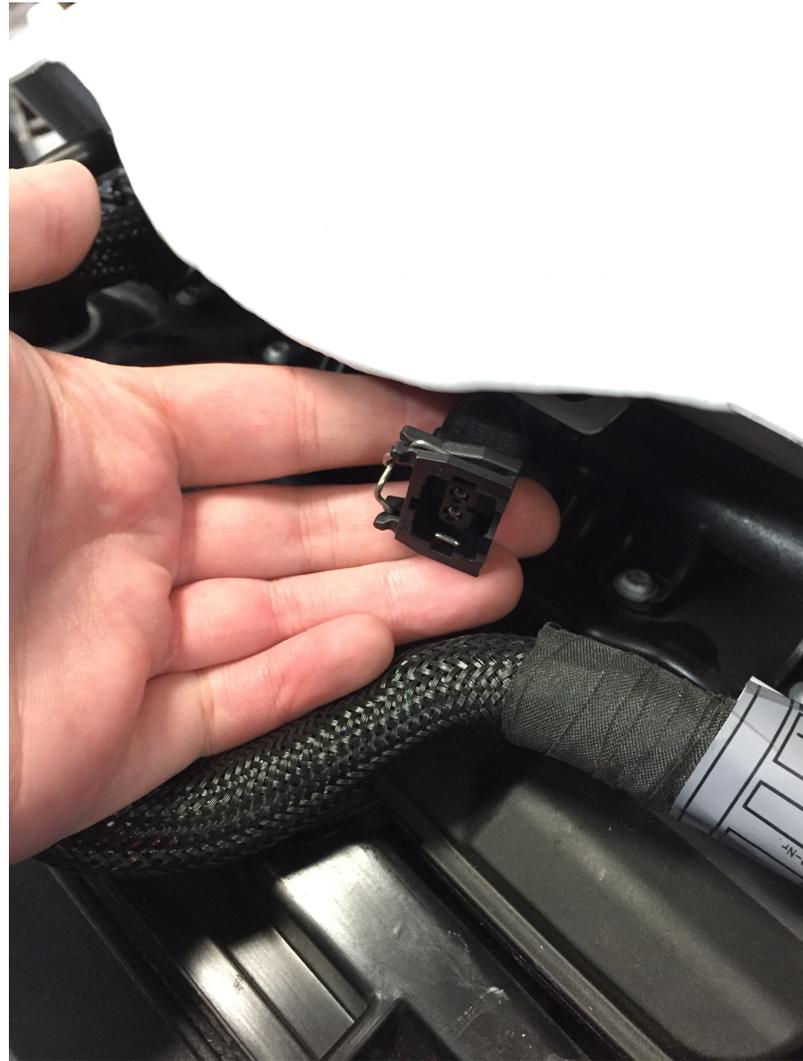
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Step 3: Do NOT unplug the secondary air pump while you are in there! This is **NOT** what you want to unplug! (2015 only).



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Step 4: Locate the IAT sensor which is behind the air filter and almost directly in the middle of the airbox. Press the metal clip on the harness side and remove from sensor. To remove the sensor itself you will need to locate the clip on the rear side, press and simply pull it out, it is held in tight with an o-ring.



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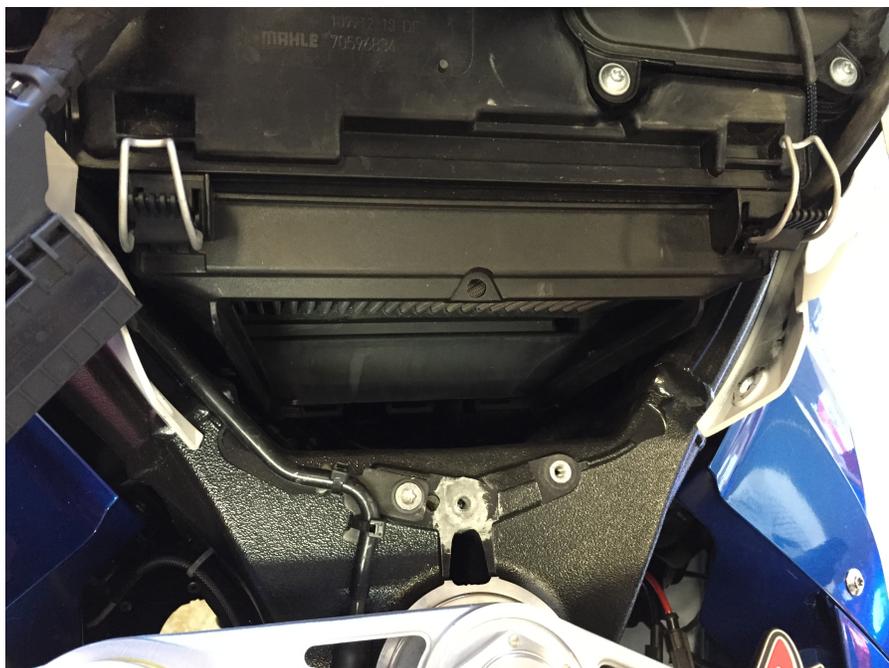
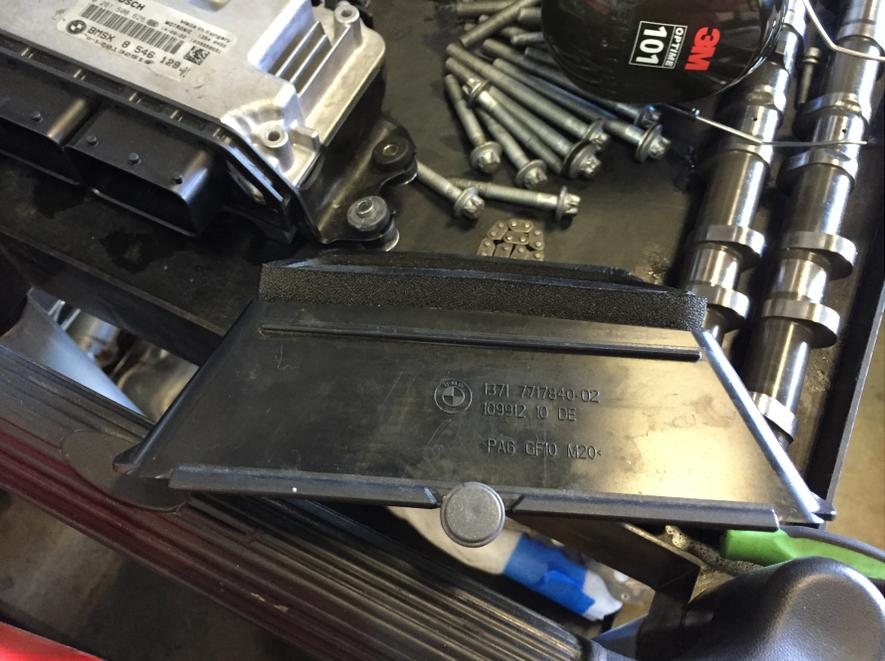
Step 5: Use supplied plug to cover hole where IAT sensor plugs into airbox to avoid debris getting in. Bending of the tabs on plug may be required to stay tight.



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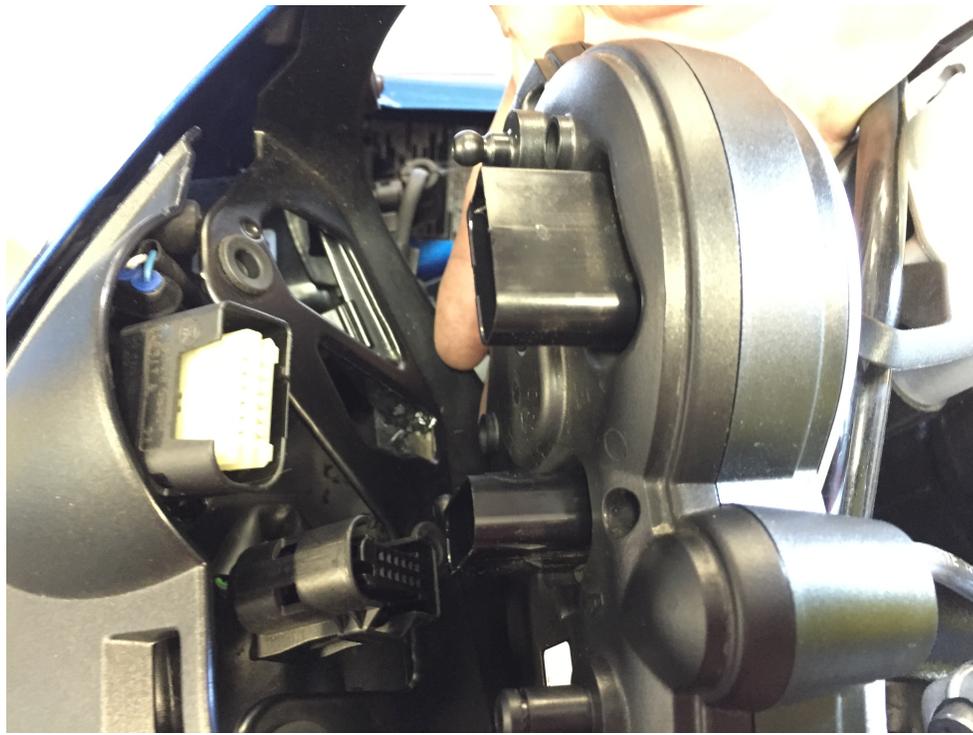
Step 6: Remove airbox snorkel and airbox housing. Snorkel is removed by using a flathead to pull up and remove push clip. Once clip is removed, pull the snorkel straight up and set aside. Pop up the two air box clips and pull air filter and housing straight up and remove.





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Step 7: Remove windscreen with T20 Torx (2015) and T25 (2010-2014). Pull straight up and back on the windshield to remove. Locate the gauge cluster c-clip and pull out with needle nose pliers to remove cluster. Cluster is held in by 3 grommets — simply pull back to remove and unclip two wiring harness connectors



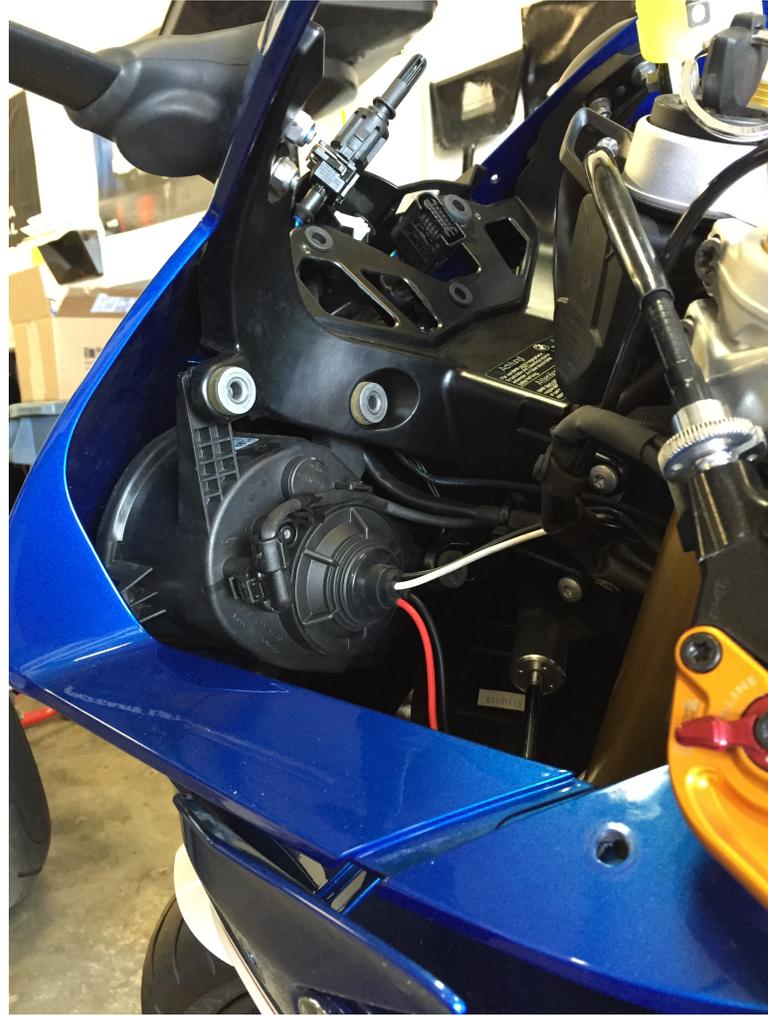
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Step 8: Drill hole directly to the left of the hump for mounting of IAT. Gradually step sizes from 1/8th to final of 1/2". Use the left hole pictured (we tried different placement).



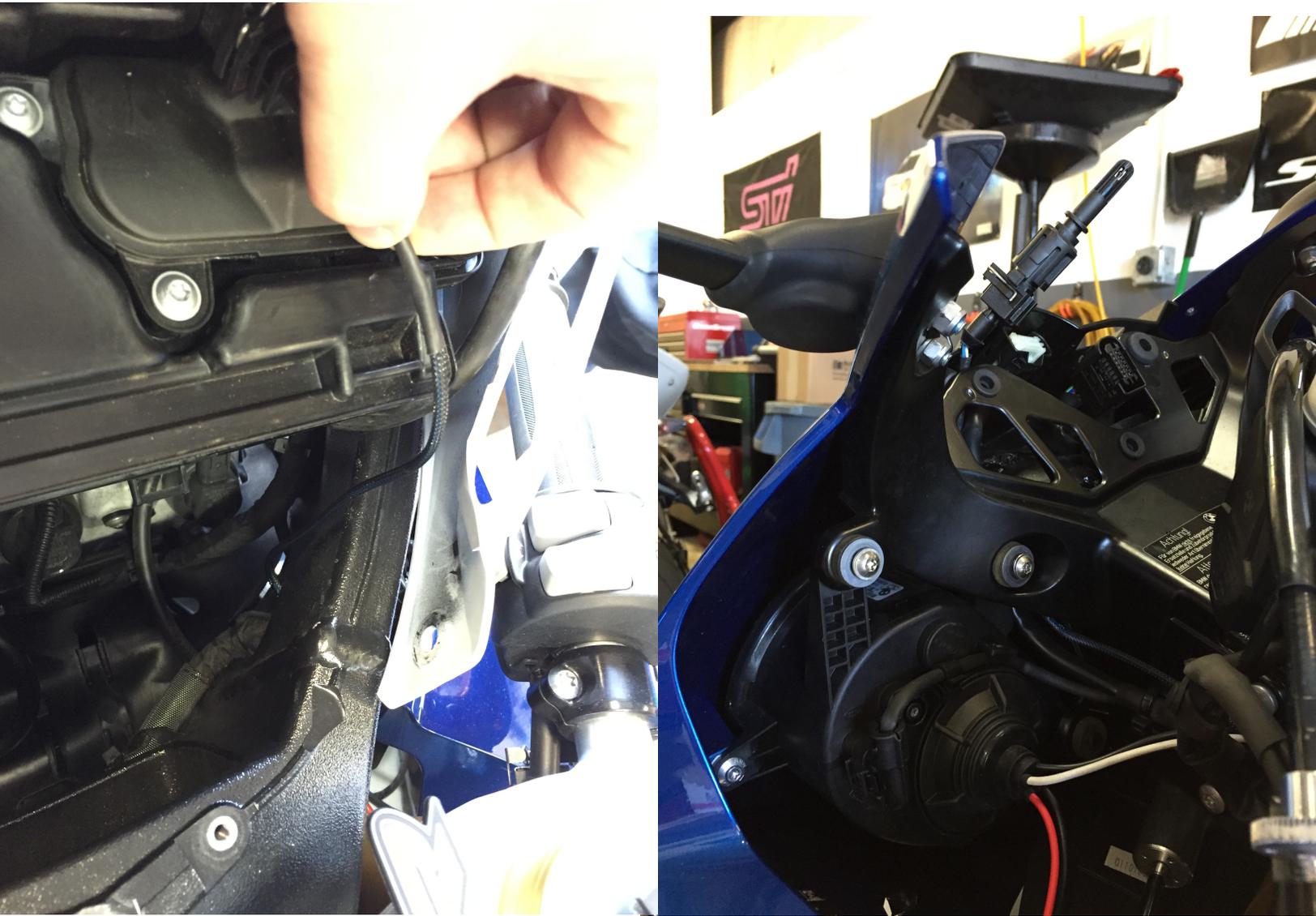
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Step 9: Remove clutch side fasteners (5) as pictured with T25 Torx and push fairing forward gently so you have room to run IAT harness.



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Step 10: Plug IAT into factory harness and run down clutch side of airbox along the frame following the factory harness up to the cluster. Insert IAT into drilled hole and clip in IAT harness to plug. IAT essentially floats. Once cluster is back installed there is no wiggle room and will not go anywhere.



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Step 12: Put bike back together and enjoy your consistent power!